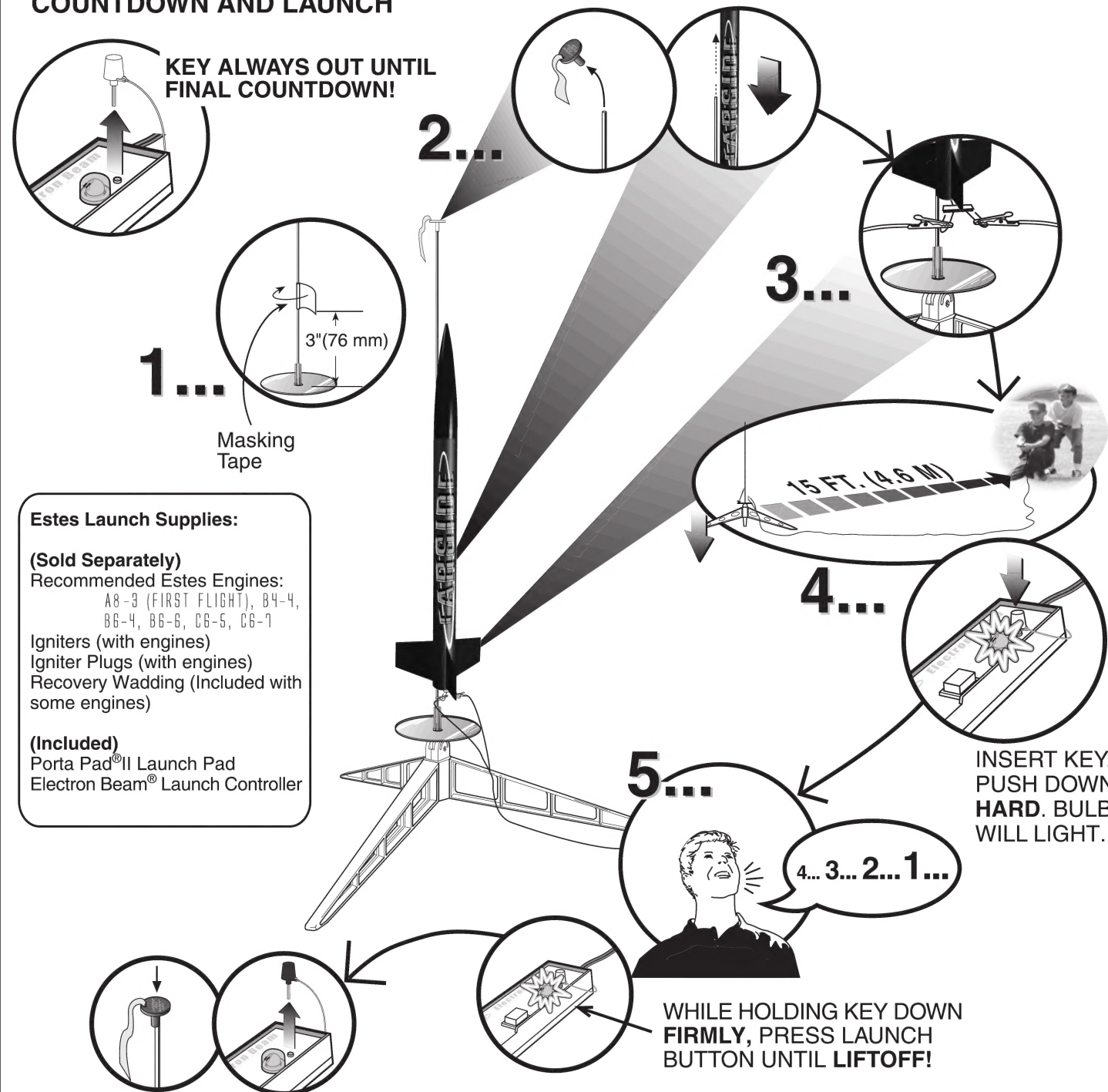


COUNTDOWN AND LAUNCH



Estes Launch Supplies:

(Sold Separately)

Recommended Estes Engines:

A8-3 (FIRST FLIGHT), B4-4,
B6-4, B6-6, C6-5, C6-7

Igniters (with engines)

Igniter Plugs (with engines)

Recovery Wadding (Included with
some engines)

(Included)

Porta Pad® II Launch Pad

Electron Beam® Launch Controller

PRECAUTIONS



NAR Safety Code



This paper
can be recycled.



NO DRY GRASS
OR WEEDS

PRE-LAUNCH CHECK

For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lugs (2). Repair any damage before launching the rocket.

FLYING YOUR ROCKET

Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility.

Always follow the enclosed National Association of Rocketry (NAR) SAFETY CODE.

MISFIRES

TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the igniter clips and remove the engine. Take the plug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.



www.estesrockets.com

ESTES-COX CORP.
1295 H Street, PO Box 227
Penrose, CO 81240

PRINTED IN CHINA

FARSIDE™

FLYING MODEL ROCKET KIT INSTRUCTIONS

KEEP FOR FUTURE REFERENCE.

#1475



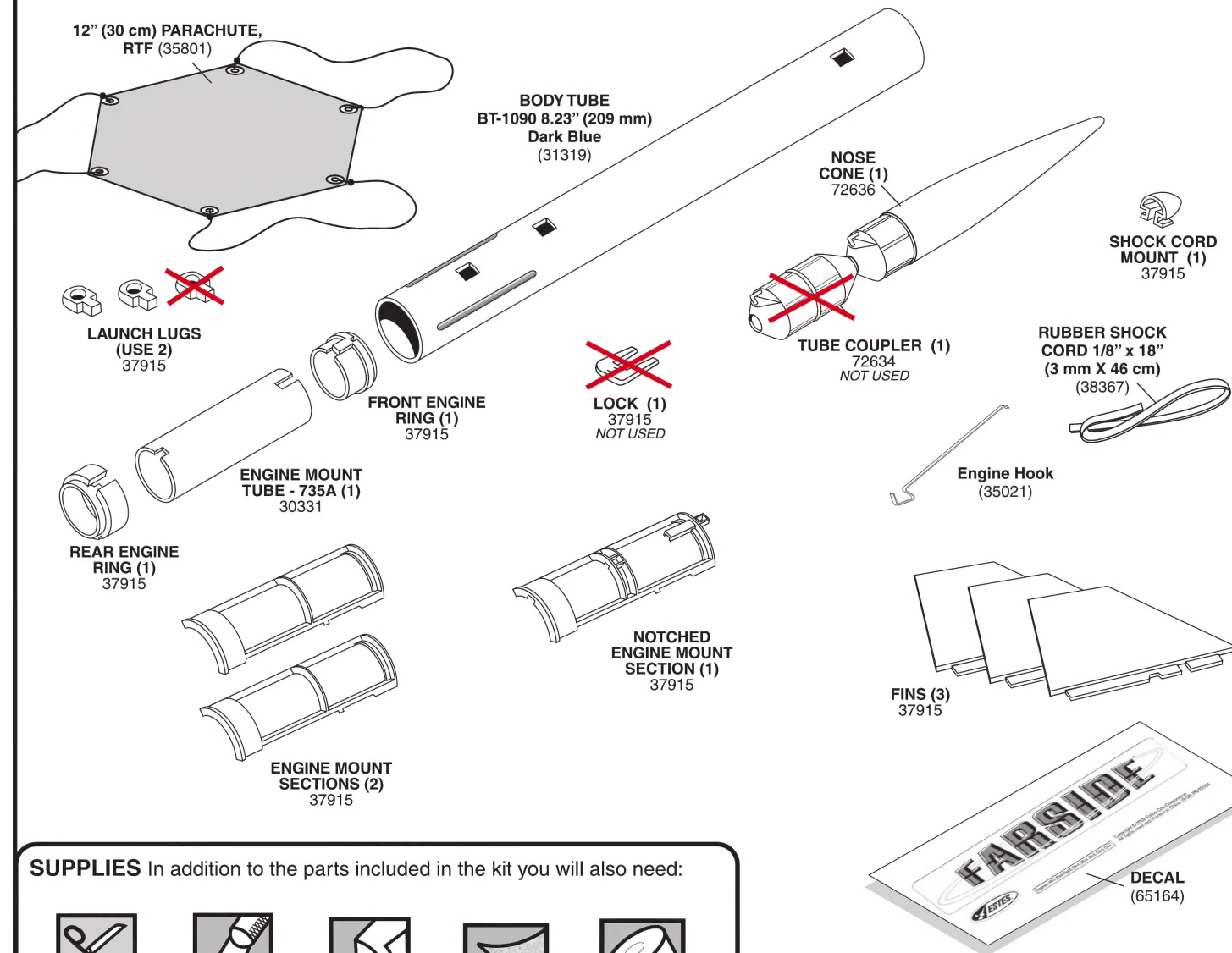
Please refer to included Launch Set instructions for parts identification, assembly and use of the Estes Launch System.

ASSEMBLY TIP

Read all instructions before beginning work on your model. Make sure you have all parts and supplies.

TEST FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE.

If any parts don't fit properly, sand as required for precision assembly.



SUPPLIES

In addition to the parts included in the kit you will also need:



SCISSORS



MODELING
KNIFE



PLASTIC
CEMENT



FINE SAND
PAPER
(#320-#400 GRIT)

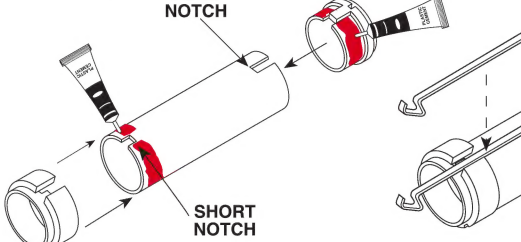


MASKING
TAPE

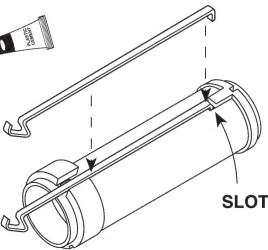
ALL GLUED AREAS ARE SHOWN IN RED

1. ASSEMBLE ENGINE MOUNT

A. Apply plastic cement. Slide front engine ring inside engine mount tube. Line up with **long notch**.



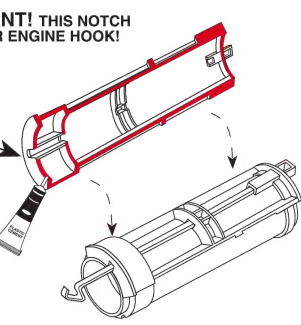
B. Slide rear engine ring over tube. Line up with **short notch**.



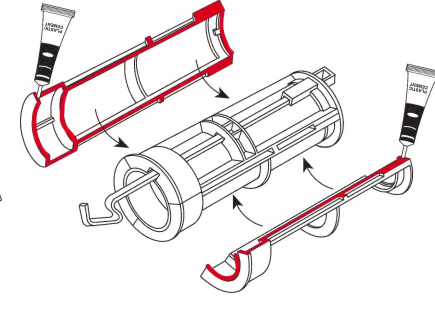
C. Attach engine hook. Push front tab through slot in tube.



IMPORTANT! THIS NOTCH GOES OVER ENGINE HOOK!



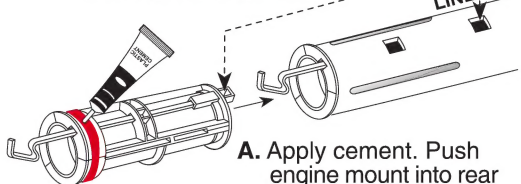
D. Apply cement to underside of **notched** engine mount section and attach.



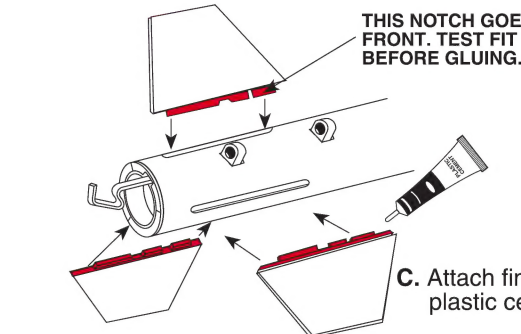
E. Attach the remaining sections with cement.

2. INSTALL ENGINE MOUNT

IMPORTANT! LINE UP LAUNCH LUG OPENINGS!

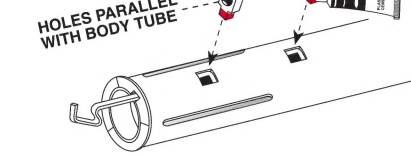


A. Apply cement. Push engine mount into rear of body tube.



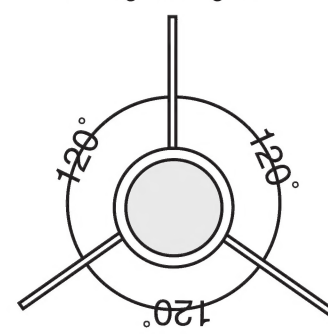
THIS NOTCH GOES TO FRONT. TEST FIT BEFORE GLUING.

C. Attach fins with plastic cement.

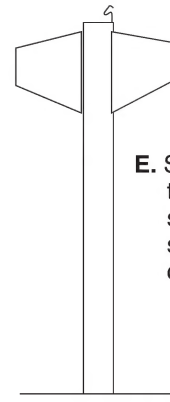


B. Attach launch lugs with plastic cement.

D. Check fin alignment with fin alignment guide.

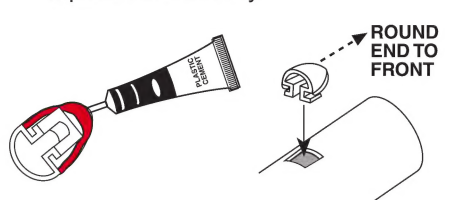


E. Set rocket on table as shown so fins will stay straight while cement sets.

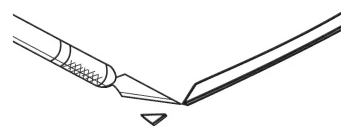


3. INSTALL SHOCK CORD

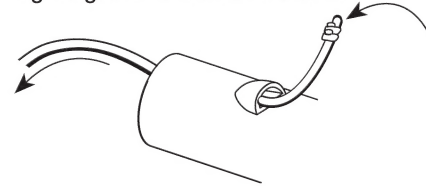
A. Apply plastic cement to shock cord mount. Attach to body tube through square hole. Let dry.



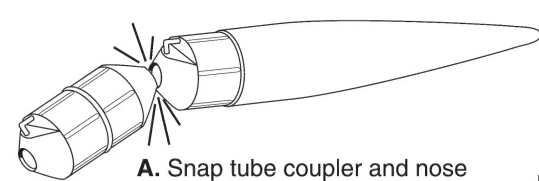
B. Cut end of shock cord on angle.



C. Tie double knot in end of shock cord. Push angled end through until knot is tight against shock cord mount.

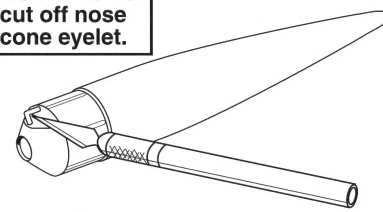


4. PREPARE NOSE CONE



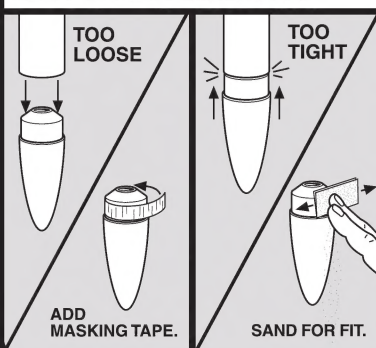
A. Snap tube coupler and nose cone apart. **The tube coupler is not used in this kit.**

NOTE: Do not cut off nose cone eyelet.

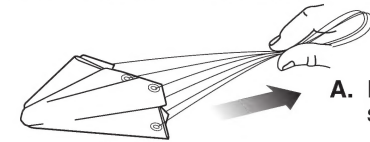


B. Clean the nose cone eyelet.

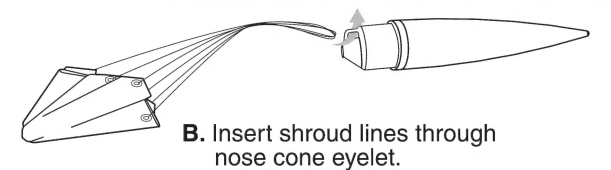
HELPFUL HINT: IF NOSE CONE FIT IS...



5. ATTACH PARACHUTE & SHOCK CORD

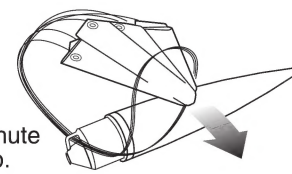


A. Form a loop with shroud lines.

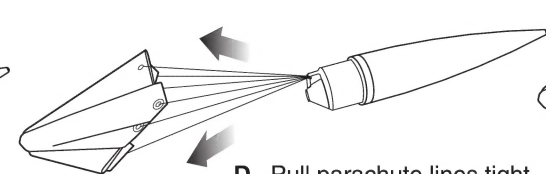


B. Insert shroud lines through nose cone eyelet.

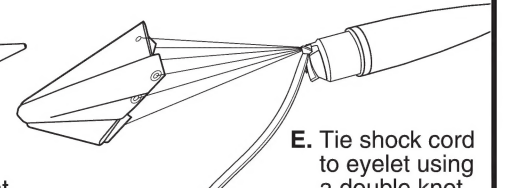
C. Pass parachute through loop.



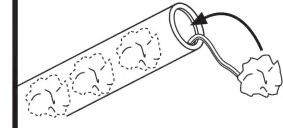
D. Pull parachute lines tight.



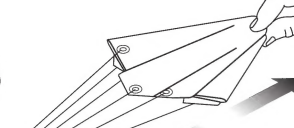
E. Tie shock cord to eyelet using a double knot.



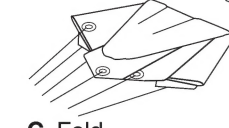
6. PREPARE RECOVERY SYSTEM



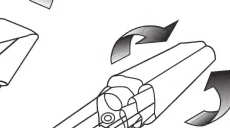
A. Insert 3-4 squares of loosely crumpled recovery wadding into body tube.



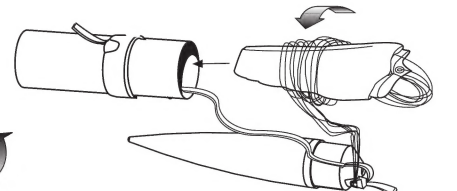
B. Spike.



C. Fold.



D. Roll.



E. Wrap lines loosely. Insert parachute, shock cord and nose cone into body tube.

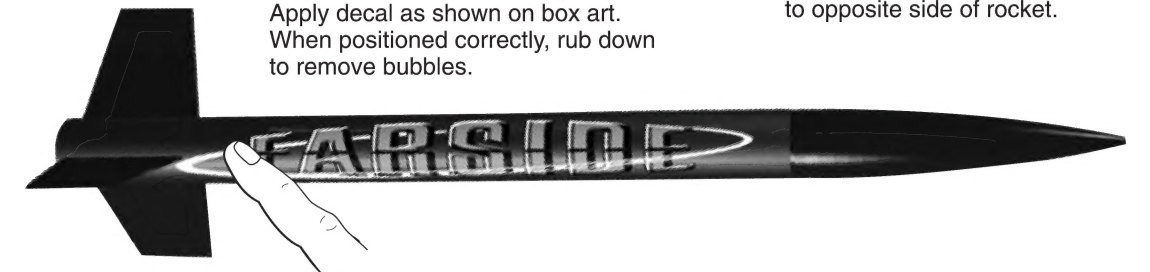
NOTE: Only Estes Wadding (302274) recommended.

Both recovery wadding and parachute must slide easily into body. If fit is too tight, undo and repack.

7. APPLY DECAL

A. Remove decal from backing paper. Apply decal as shown on box art. When positioned correctly, rub down to remove bubbles.

B. Apply recommended engine decal to opposite side of rocket.



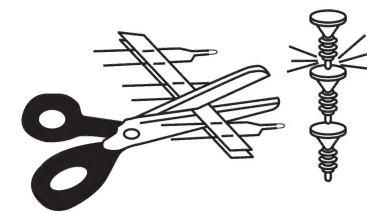
8. PREPARE ENGINE

⚠ WARNING: FLAMMABLE

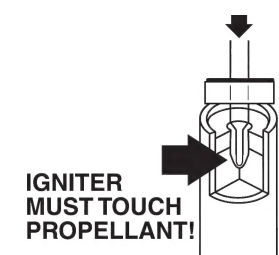
To avoid serious injury, read instructions & NAR Safety Code included with engines.

PREPARE ENGINE ONLY WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO LAUNCH!

If you do not use your prepared engine, remove the igniter before storing engine.

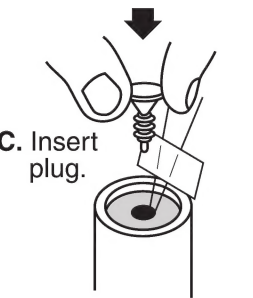


A. Separate igniter and igniter plug.



IGNITER MUST TOUCH PROPELLANT!

B. Insert igniter.

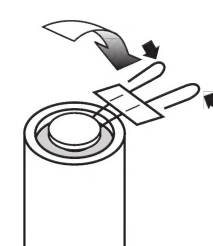


C. Insert plug.

D. Push down.



E. Gently bend igniters to form leads as shown.



F. Insert engine into rocket.

